

BEFORE THE TARANAKI REGIONAL COUNCIL

IN THE MATTER

of an application by Remediation (NZ) Limited for resource consents under Part 5 of the Resource Management Act 1991

AND

IN THE MATTER

applications to obtain replacement consents for Consent Numbers 5838-2.2 and 5839-2 as summarised below:

Consent 5838-2.2 – to discharge of a) waste material to land for composting; and b) treated stormwater and leachate, from composting operations; onto and into land in circumstances where contaminants may enter water in Haehanga Stream catchment and directly into an unnamed tributary of the Haehanga Stream at Grid Reference (NZTM) 1731656E-5686190N, 1733127E-5684809N, 1732277E-568510N, 1732658E-5684545N and 1732056E-5684927N

Consent 5839-2 – to discharge emissions into the air, namely odour and dust, from composting operations between (NZTM) 1731704E-5685796N, 1733127E-5684809N, 1732277E-5685101N, 1732451E-5684624N and 1732056E-5684927N

STATEMENT OF SUPPLEMENTARY EVIDENCE OF

Colin Kay

DATED 24 March 2021

Environmental Consultancy:

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Introduction

1. My name is Colin Kay. I am an Agricultural Consultant trading as Kay Consulting Ltd. My qualifications, experience and involvement in the project are detailed in my Evidence In Chief (EIC) dated 9 March 2021.

Supplementary Evidence

2. I have reviewed the evidence of submitters, and I make the following comments and clarifications, and also wish to provide some further information that has become available since my EIC that is within my area of expertise.

Overseer modelling

3. The Overseer® modelling has been a useful tool in enabling RNZ to understand how nitrogen affects the site environment when considering the different site operations.
4. If you put aside the inherent limitations in the program and the accuracy of the data inputs, by running different scenarios you eventually arrive at the optimum operating point.
5. RNZ will continue to use Overseer® in future to assist site management in operational planning.

New Irrigation Area

6. A 9th irrigation field new been commissioned since the RNZ expert evidence was lodged. This field is 2.88 ha and this increases the total area irrigated to 16.06 ha - or a 22% increase in size. A plan showing the location of this area is attached as '**Attachment A**'.
7. The increase in area is likely to result in a similar percentage drop in nutrients leached from the irrigation block, and will provide additional operational flexibility for RNZ to manage irrigation and nutrient loading at the facility.

Conclusion

8. The additional irrigation area will further improve site operations and reduce N losses, and the continued use of Overseer® to model scenarios will be invaluable in continuing to inform these operations.

9. In my EIC I concluded that the site has been engineered to capture all the contaminants from the site and the land treatment system, is capable of treating the site runoff to a standard where the effects on the environment, including N losses, are negligible. A review of monitoring data against current consent limits has shown that any breaches of consent can be attributed to 'one-off' management issues leading to discharge events, as opposed to systemic and long running discharges or leaching. This conclusion remains.

CSKay

Colin Kay

Kay Consulting Ltd

24 March 2021

Attachment A. Plan Showing location of new irrigation area

